

Mellerson, Kendra

163674

From: Hon, Sow-Fun
Sent: Wednesday, August 24, 2005 11:35 AM
To: STIC-EIC1700
Subject: Database Search Request

Requester:
Sophie Hon (TC1700)
Art Unit:
1772
Employee Number:
77463
Office Location:
REM 8B49
Phone Number:
571/272-1492
Mailbox Number:

SCIENTIFIC REFERENCE BR
Sci & Tech Inf. Ctr
AUG 24 REGD
Pat. & T.M. Office

Case serial number:
10/006166
Class / Subclass(es):
349/96, 428/1.1, 1.31
Earliest Priority Filing Date:
12/06/00
Format preferred for results:
Paper
Search Topic Information:
Claim:

A liquid crystal information display comprising a front panel of functional layers facing an observer, a rear panel of functional layers opposite the front panel, and a layer of liquid crystal material between the front and rear panels of functional layers, wherein the parameters of the layer of liquid crystal material provide at least one interference maximum or minimum of transmission or reflection for at least one linearly polarized component of incident beam of light at at least one wavelength reflected or transmitted at the exit of the front panel, achieved at least in the state of the liquid crystal material with applied electric field, and wherein said parameters comprise optical thickness, ordinary refractive index, extraordinary refractive index, and the ratio of ordinary refractive index to extraordinary refractive index.

Search terms: interference or abnormal dispersion or maximum light diffraction or minimum light diffraction, liquid crystal, transmission, reflection, thickness, refractive index
Special Instructions and Other Comments:

1PM - 5PM are good times, but please call after 11AM if you need to. Thanks!